

## **ABSTRACT**

A planetary transmission which has a drive shaft, an axial bearing, an internal gear, an axially displaceable sliding collar and a lubrication circuit and an output shaft which is mounted the transmission housing by an external bearing and an internal bearing. The housing is provided with an oil intake (13) which is connected to an oil line (16) with the external bearing (5) of the output shaft, which is linked by an oil feeding circuit with the axial bearing (9) of the output shaft. The axial bearing (9) is connected with an interior gear bearing by an interior gear (17), the interior gear (17) is encapsulated through a wall section (18). An oil discharge (14) is connected with an oil pump located outside the planetary transmission which, on the other hand, is connected with the oil intake (13).